

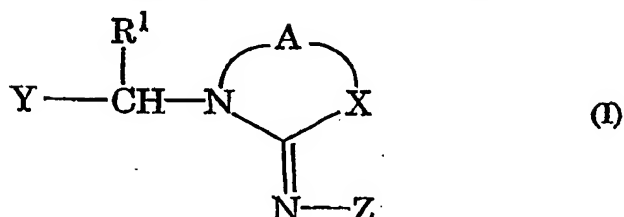
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Claims

1. Use of a compound of the formula:

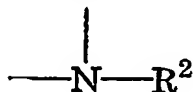


wherein

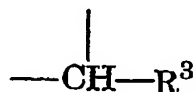
- R¹ denotes a hydrogen atom or a methyl group,
 5 A denotes an ethylene group which can be substituted by methyl, or a
 trimethyl group which can be substituted by methyl,
 X denotes an oxygen or sulphur atom or the group

- 5 A denotes an ethylene group which can be substituted by methyl, or a trimethyl group which can be substituted by methyl,

- X** denotes an oxygen or sulphur atom or the group



- 10 or**



wherein

- 15 R^2 denotes a hydrogen atom, a C₁-C₄-alkyl group which can be substituted
by a substituent selected from amongst halogens, C₁-C₄-alkoxy groups,
C₁-C₄-alkylthio groups and cyano, a C₂-C₄-alkenyl group, a C₂-C₄-alkynyl
group, a pyridylmethyl group which can be substituted by halogen
and/or methyl, a benzyl group which can be substituted by halogen
and/or methyl, a formyl group, an alkylcarbonyl group having 1 or 2
20 carbon atoms in the alkyl structural unit which can be substituted by
halogen, a phenylcarbonyl group which can be substituted by halogen

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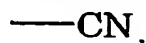
and/or methyl, an alkoxy or alkylthiocarbonyl group having 1 to 4 carbon atoms in the alkyl structural unit, a phenoxycarbonyl group, a C₁-C₄-alkylsulphonyl group which can be substituted by halogen, or a phenylsulphonyl group which can be substituted by methyl, and

5 R³ denotes a hydrogen atom, and

Y denotes a 5- or 6-membered heterocyclic group which contains two or three hetero atoms selected from amongst oxygen, sulphur, and nitrogen atoms, at least one of these being a nitrogen atom, or denotes a 3-pyridyl group, the heterocyclic group and the 3-pyridyl group optionally being substituted by at least one substituent selected from amongst halogen atoms, alkyl groups having 1 to 4 carbon atoms, alkoxy groups having 1 to 4 carbon atoms, alkylthio groups having 1 to 4 carbon atoms, halogenoalkyl groups having 1 to 4 carbon atoms, halogenoalkoxy groups having 1 to 4 carbon atoms, alkylsulphonyl groups having 1 to 4 carbon atoms, the cyano group and the nitro group, and

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Z denotes the group



as a molluscicidal agent.

2. Use according to claim 1, wherein said compound is thiacloprid.

20 3. Molluscicidal composition comprising a compound of the formula (I) as defined in claim 1 as an active ingredient and an agronomically acceptable carrier and optionally a coating compound.

4. Composition according to claim 3, wherein said compound is thiacloprid.

5. Method of preventing mollusc-related damage to a plant in which an effective amount of a composition comprising a compound of the formula (I) as defined in claim 1 is administered to the locus, roots or leaves, preferably to the seeds of said plant.

25 6. A seed comprising a coating, said coating comprising a compound of the formula (I) as defined in claim 1, preferably thiacloprid.

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7. Method of coating a seed, comprising treating a seed with a coating composition, said coating composition comprising a compound of the formula (I) as defined in claim 1 and a coating compound.
8. Method of controlling a mollusc in horticulture or agriculture comprising applying to the mollusc, the locus of the mollusc, or a food source of the mollusc an effective amount of a molluscicidal composition comprising a compound of the formula (I) as defined in claim 1.
9. Molluscicidal composition concentrate comprising a 1 to 10000, preferably about 100 – about 5000 times concentrated formulation of a molluscicidal composition comprising a compound of the formula (I) as defined in claim 1.
10. Method for the preparation of a molluscicidal composition, comprising combining a compound of the formula (I) as defined in claim 1 as an active ingredient with an agronomically acceptable carrier.

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